

PATENT ABSTRACTS OF JAPAN

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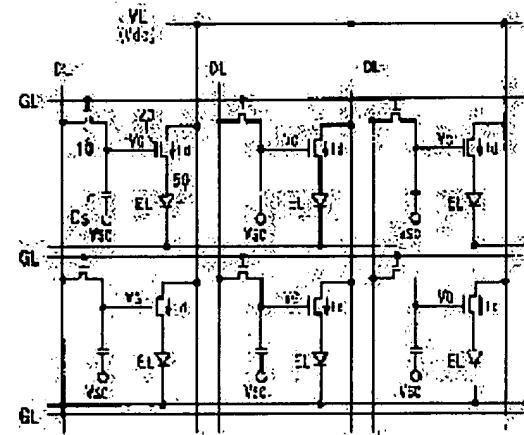
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(54) DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To control power consumption in a display device having current- driven elements such as electroluminescence.

SOLUTION: In this display device, a current control circuit 300 is provided between a power source circuit 200 and a power source line VL supplying driving currents to organo-EL (electroluminescent) elements 50 provided in respective light emitting pixels of a display panel and the amount of a current flowing from the power source circuit 200 into the power source line VL is detected and when the amount of the current is increased, a power source voltage Vdd to be applied to the line VL is lowered and, as a result, currents made to flow through the organo-EL elements 50 are reduced. Or, contrasts and luminance levels of display data to be supplied to respective EL elements 50 are controlled in accordance with the detected amount of the current and when the amount of the current is increased, the currents made to flow through the organo-EL elements 50 are controlled by lowering the contrasts and luminance levels of the display data. By these methods, the amount of currents made to flow through the organo-EL elements 50 is controlled and the power consumption of the display device can be controlled so as not becomes excessively large.



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